

Band-Pass Filter for FM radio band 87.5 - 108 MHz

DESCRIPTION

- BPF 88-108 is an LC band-pass filter.
- Allows the whole band 87.5 - 108 MHz to pass.
- Series coupled high/low pass filter design.
- Chebychev characteristic ensures low insertion loss and high out-of-band rejection.
- Can be used as transmitter filter to prevent out-of-band and harmonics radiation.
- Can be used as a preselector filter to protect a receiver against interferences from transmitters normally being outside the band-pass range.
- Very small dimensions, mounted in a 50 x 21 x 45 mm case.
- FME(m) connectors for easy and handy coupling to the surroundings.
- Also available with SMA(f), TNC(f) or BNC(f) connector types. See ordering designations.
- Provided with dual adhesive pad for quick installation.
- BPF 88-108 is lacquered with black vinyl enamel to avoid corrosion.



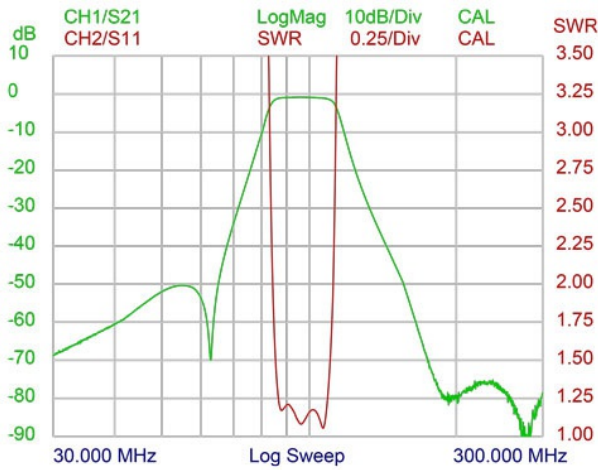
SPECIFICATIONS

Electrical	
Model	BPF 88-108...
Max. Input Power	15 W
Pass Range	87.5 - 108 MHz
Insertion Loss	Max. 1.3 dB
Impedance	50 Ω
Reject Attenuation	> 35 dB @ 0 – 68 MHz and 146 – 1000 MHz see curve
VSWR	≤ 1.5:1
Mechanical	
Connection(s)	See ordering designations
Dimensions	FME(m): 50 x 21 x 48 mm (incl. conn.) / 1.97 x 0.83 x 1.89 in. SMA(f), TNC(f), BNC(f): 50 x 21 x 57 mm (incl. conn.) / 1.97 x 0.83 x 2.25 in.
Weight	0.06 kg / 0.13 lb.
Environmental	
Operating Temperature Range	-30 to 60 °C
Ingress Protection	IP41

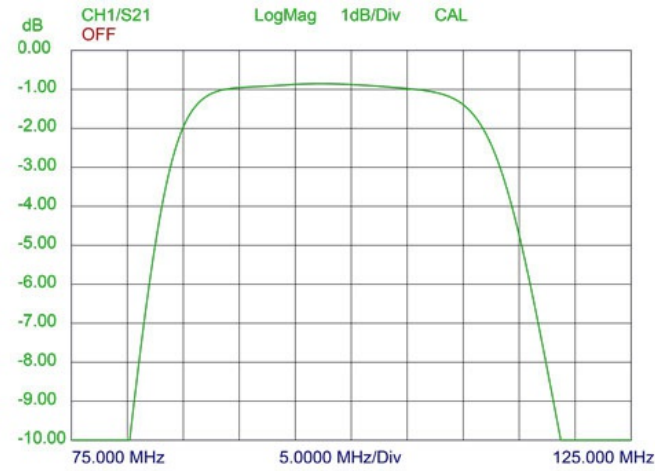
ORDERING

Model	Product No.	Description
BPF 88-108 BNC	200002244	BNC(f)
BPF 88-108 FME	200001991	FME(m)
BPF 88-108 SMA	200001796	SMA(f)
BPF 88-108 TNC	200001737	TNC(f)

TYPICAL RESPONSE CURVES



INSERTION LOSS (DB)



MECHANICAL OUTLINE

